



***"The educational experience
was awesome....
It brought the ideas and topics
that we cover in class to life."***

Tom Froats, Prospect HS,
Mt. Prospect, Illinois

***"I cannot imagine any other
experience that could equal
the Teacher at Sea program
for learning how
marine scientists work...."***

Betty Moellenberg, Colorado

**With NOAA's Teacher at Sea
program, you will:**

- * Work with scientists and crew
aboard a NOAA ship**
- * Live and breathe the science
you teach**
- * Bring science to life
for your students**

**Cost? None, except travel
to & from ship.
Benefit? Experience that is
priceless.**

Find out more: www.tas.noaa.gov



NOAA Teacher At Sea



***Bringing hands-on
ocean research experience
to the classroom***

U.S. Department of Commerce
National Oceanic and Atmospheric Administration

Live It, Breathe It, Teach It

There's no substitute for experience is an old saying well grounded in truth. NOAA's Teacher at Sea program helps teachers bridge the gap between scientific research and the classroom by giving them first-hand experience in science at sea.

Teachers from elementary schools through college go aboard NOAA research and survey ships and work side-by-side with scientists and crew as they conduct research or hydrographic surveys in support of NOAA's mission. NOAA describes and predicts changes in the Earth's environment and promotes global environmental stewardship. Much of the data needed to fulfill this mission is collected at sea.

When teachers go back to their classrooms armed with more knowledge, personal anecdotes, hands-on experience and greater enthusiasm, their students reap the benefits.

Cruises

Teachers may select a cruise aboard one of NOAA's 15 participating ships on the East, West or Gulf coasts. There are three types of ships:

- *Fisheries research*—perform biological and physical science studies in support of fisheries research and stock assessments
- *Oceanographic and coastal research*—perform physical science studies in support of physical oceanography, atmospheric studies, and bathymetric mapping
- *Hydrographic survey*—scan the coastal sea floor with side-scan sonar and sophisticated bottom sounding systems to determine least

depths and locate navigational hazards for the nation's nautical charts

Successful applicants can go aboard any cruise during the year that has berth space available. Cruises range from one week to several months; teachers on sabbatical may wish to take advantage of the longer oceanographic cruises.

Ready, Set, Go!

Check out our NOAA Teacher at Sea Web site at www.tas.noaa.gov for the program application, medical questionnaire, ship schedules and missions and other useful information, including links to information about life at sea and ship policies and procedures. You'll also find links to articles, photos and daily logs written by former teachers at sea.

Here's How to Apply:

Visit the NOAA Teacher at Sea Web site: www.tas.noaa.gov

Select your top choices of research cruises.

Download the application from the Web site, fill it out and return it to the program coordinator by March 31.

Download and complete a medical history questionnaire and return it to the program coordinator. *You must be in good health to participate and have had a TB Test within 12 months of sailing.

Arrange and pay for your transportation to and from the docking site. There are no other costs to you. *On occasion, travel assistance is available.

Giving Back

Teachers must be willing to fulfill several program requirements upon completion of their cruise:

- Submit a report to the NOAA Teacher At Sea Program Office detailing the cruise events and ideas for implementation in the classroom.
 - Create a mini-unit of lessons (8-10) based on the experiences at sea.
 - Submit an article for publication *or* make a presentation at an educators' conference.
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NOAA Marine and Aviation Operations

The Teacher at Sea program is coordinated and administered by NOAA Marine and Aviation Operations, which operates, manages and maintains NOAA's fleet of ships and aircraft. NMAO is composed both of civilians and officers of the NOAA Commissioned Corps, the Nation's seventh and smallest uniformed service.

NOAA is an agency of the U.S. Department of Commerce. NOAA includes the National Weather Service; National Marine Fisheries Service; National Ocean Service; National Environmental Satellite, Data and Information Service; and Office of Oceanic and Atmospheric Research.

NMAO and the NOAA Corps support NOAA's many research and operational activities across these divisions.
